

ABSTRACT

The present invention discloses a A safety syringe and aims to provide has a simple structure, is convenient to use, and has a low [[cost,]] cost. and to make the syringe have needle protection functionality and become auto-disable. The present invention safety syringe includes a sliding casing, a needle, a syringe barrel, a piston, a latching casing, a spring and a plunger inside the syringe barrel, barrel. the present invention The safety syringe can be easily used to carry out an injection and to initiate its has a safety mechanism [[by]] that can be actuated using a single hand. The sliding casing can be automatically positioned and locked in two directions; directions. This design guarantees that, during processing of the syringe after it is used, the pinhead needle's point is always protected by the sliding casing; casing. The present invention safety syringe is also has a reliable function of auto-locking; Therefore, once the syringe is after it has been used, the plunger has been is locked in the syringe barrel and cannot be pulled out any longer; longer. Any attempt to use the syringe again will cause the plunger to be broken and the syringe to be damaged, thus ensuring a one-time use.